

1.2 Practice B

Solve the equation. Check your solution.

1. $4k - 1.5k = 50$

2. $\frac{5}{7}p - \frac{2}{7}p + 12 = 6$

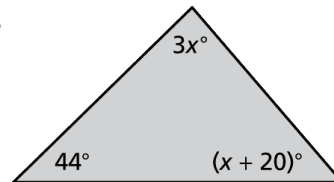
3. $\frac{2}{3}y + y - 4 = 31$

4. $2.1x + 1.3x - 4.6 = 2.2$

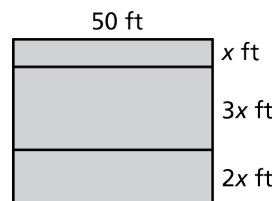
5. $3(5 - 2h) + 9 = -30$

6. $14(x - 3) - 22x = -18$

7. The sum of the measures of the interior angles of the triangle is 180° . Write and solve an equation to find the value of the variable.



8. A rectangular field has an area of 2100 square feet. The length of the field is 50 feet.



- a. How wide is the field?
- b. The field is divided into 3 rectangles, as shown. Write and solve an equation to find x .
- c. Determine the dimensions of each rectangle.
9. You are researching the price of MP3 players. You found an average price of \$58.80. One MP3 player costs \$56 and another costs \$62. Find the price of the third MP3 player.
10. The perimeter of a triangle is 42 inches. One side measures 18 inches. The shortest side measures x inches. The longest side measures 1 inch less than four times the length of the shortest side. Write and solve an equation to find the length of the longest side.
11. You order 4 fish sandwiches and a hamburger. The cost of the hamburger is \$2.50. Your total bill before tax is \$14.30. Write and solve an equation to find the cost of a fish sandwich.